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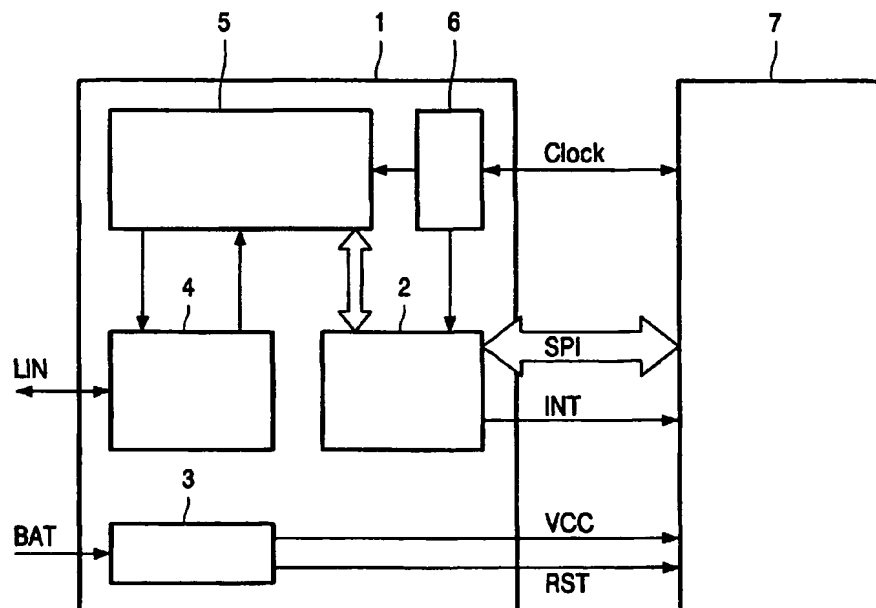
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(54) Title: **INTEGRATED CIRCUIT**



(57) Abstract: An integrated circuit having-a system base chip (1) that has basic functions for a transmitting and/or receiving system for a vehicle data bus, namely at least a system voltage supply (3), a system reset (3) and a monitoring function (2),-an interface circuit (4, 5) that, in a self-contained fashion, runs at least parts of a data bus protocol, and in particular the LIN (Local Interconnect Network) protocol, that performs detection of the bit-rate of received data, and that is capable of passing on at least one received or transmitted byte.-a serial/parallel converter (5) that makes use in its conversion of the bit-rate detected by the interface circuit (4, 5).

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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

## INTERNATIONAL SEARCH REPORT

IB 03/04838

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F15/78 H04L25/02 H04J3/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04J H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 049 888 A (CHANOUX ET AL) 11 April 2000 (2000-04-11) column 2, line 62 - column 4, line 9; figure 1	1-6
A	GRILL W: "SYNCHRONIZING CONTROLLER DETECTS BAUD RATE" EDN ELECTRICAL DESIGN NEWS, CAHNERS PUBLISHING CO. NEWTON, MASSACHUSETTS, US, no. EUROPE, 2 March 1998 (1998-03-02), page 99, XP000779115 ISSN: 0012-7515 the whole document	1-6
A	EP 1 206 092 A (TEXAS INSTRUMENTS INC) 15 May 2002 (2002-05-15) page 3, line 6 - line 16 page 5, line 1 - line 7	1

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

8 February 2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>"SERIELLE SCHNITTSTELLEN"</p> <p>CHIP ZEITSCHRIFT FUER            MIKROCOMPUTER-TECHNIK, VOGEL VERLAG.            WURZBURG, DE, no. 2,            February 1983 (1983-02), pages 142-145,            XP000761493            ISSN: 0170-6632            the whole document</p>	1

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6049888	A	11-04-2000	NONE	
EP 1206092	A	15-05-2002	EP 1206092 A2	15-05-2002
			JP 2002204226 A	19-07-2002